SSW05

Soft Starters

The WEG SSW05 Soft Starter is a super compact fully digital soft starter with a state-of-the-art DSP controller. Its digital construction provides optimum operation, diagnostics capability and full motor protection. Simplicity in set-up and operation is assured since all parameters and set-up selections are made via dip switches and potentiometers. Status LED's alert the user of the operational status of the SSW05. Simplicity, ease of set-up, and the micro size assures quick and easy installation and operation.

Applications

- Pumps
- Fans
- Blowers
- Compressors

Standard Features

- 208 - 480V, 50/60Hz input power supply
- Duty cycle: 300% rated current during 10 seconds, 4 starts per hour
- Built-in bypass contacts
- One digital input for Start/Stop (90 - 250 Vac)
- One digital input for Fault Reset (90 - 250 Vac)
- One relay output for Run indication (1 Amp - 250V)
- One relay output for Full Voltage indication (1 Amp - 250V)
- RS-232 serial port
- Adjustable acceleration and deceleration ramps (1 - 20 seconds)
- For high inertia loads, see SSW07 product line.
- Adjustable pedestal voltage (30 - 80% of line voltage)
- Protective features: Motor overload, over current and locked rotor, SCR overload, phase loss and phase sequence
- DIN rail or direct mount
- Ambient: 32°F (0°C) to 131°F (55°C), 3300ft (1000m) altitude, 90% non-condensing humidity
- SuperDrive compatible

Optional Features

- Remote Keypad
- PC Programming Software

SSW05

Soft Starter

3 to 75 HP

Coding

1	2	3	4	5	6	7
SSW05	0010	T	2246	E	P	Z

1. SSW05 series	
2. Rated Current	**0010 = 10 Amps**
	0045 = 45 Amps
	0085 = 85 Amps
3. Number of Phase:	**T = Three Phase**
4. Input Voltage:	**2246 = 220 - 460VAC**
	4657 = 460 - 575VAC
5. Manuals:	**E = English manual ****
	P = Portuguese manual
	S = Spanish manual
6. Version	**P = Plus version**
7. End of Code	**Z**

** E Version only stocked in the US.

Soft Starters
SSW05
Protected Chassis Enclosure

Motor Volts	Motor HP	Soft Starter AMPS	Catalog Number	Frame Size	Dimensions (in.) H x W x D	App. Shpg. Wt. (lbs.)	List Price	Multiplier Symbol
230V	**INPUT POWER SUPPLY: THREE-PHASE - 230V**							
	3	10	SSW050010T2246EPZ	1	5.1 X 2.3 X 5.7	3	**$531**	E1
	5	16	SSW050016T2246EPZ	1	5.1 X 2.3 X 5.7	3	**$603**	E1
	7.5	23	SSW050023T2246EPZ	1	5.1 X 2.3 X 5.7	3	**$694**	E1
	10	30	SSW050030T2246EPZ	1	5.1 X 2.3 X 5.7	3	**$754**	E1
	15	45	SSW050045T2246EPZ	2	7.3 X 3.1 X 6.8	6	**$943**	E1
	20	60	SSW050060T2246EPZ	2	7.3 X 3.1 X 6.8	6	**$1,135**	E1
	30	85	SSW050085T2246EPZ	2	7.3 X 3.1 X 6.8	6	**$1,382**	E1
460V	**INPUT POWER SUPPLY: THREE-PHASE - 460V**							
	5	10	SSW050010T2246EPZ	1	5.1 X 2.3 X 5.7	3	**$531**	E1
	10	16	SSW050016T2246EPZ	1	5.1 X 2.3 X 5.7	3	**$603**	E1
	15	23	SSW050023T2246EPZ	1	5.1 X 2.3 X 5.7	3	**$694**	E1
	20	30	SSW050030T2246EPZ	1	5.1 X 2.3 X 5.7	3	**$754**	E1
	30	45	SSW050045T2246EPZ	2	7.3 X 3.1 X 6.8	6	**$943**	E1
	40	60	SSW050060T2246EPZ	2	7.3 X 3.1 X 6.8	6	**$1,135**	E1
	60/75	85	SSW050085T2246EPZ	2	7.3 X 3.1 X 6.8	6	**$1,382**	E1

Notes: "HP" rating based on FLA values from WEG W22, 2 and 4 poles, 460VAC, NEMA Premium motors".
Use as a guide only. Motor FLA may vary with speed and manufacturer.
ALWAYS compare motor FLA to Nominal AMPS of VFD and overload conditions.
† HD current rating with 140% O/L

Accessories

Description	Catalog Number	List Price	Multiplier Symbol
Remote Keypad with LED Display	HMI-SSW05-RS	**$120**	E1
3.3 ft. Remote Keypad Cable	CAB-RS-1	**$23**	V1
6.6 ft. Remote Keypad Cable	CAB-RS-2	**$31**	V1
10 ft. Remote Keypad Cable	CAB-RS-3	**$41**	V1
15 ft. Remote Keypad Cable	CAB-RS-5	**$51**	V1
25 ft. Remote Keypad Cable	CAB-RS-7.5	**$62**	V1
33 ft. Remote Keypad Cable	CAB-RS-10	**$72**	V1

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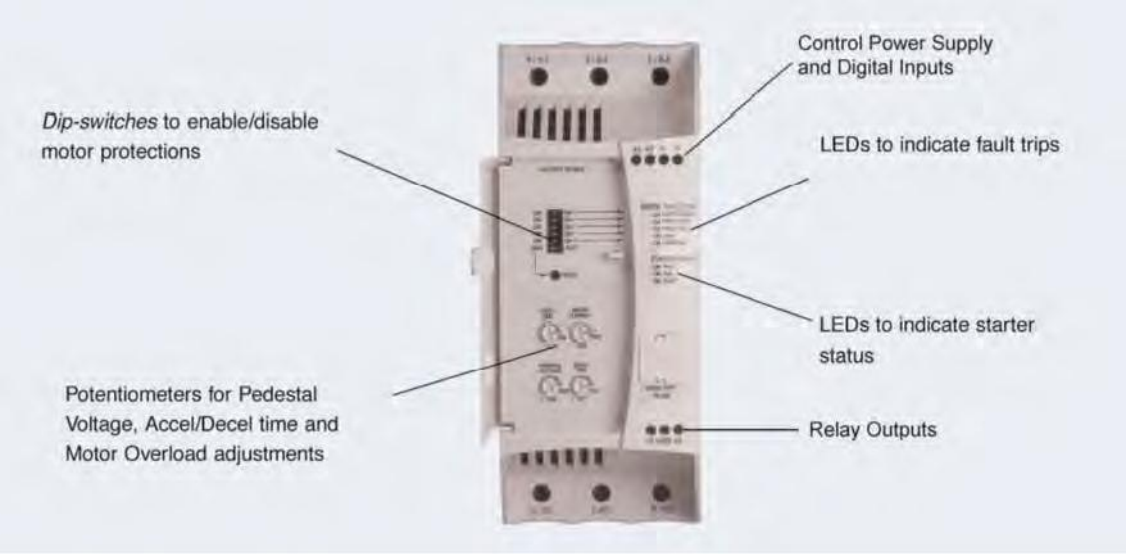
Settings and Indications



SSW05 – Technical Data

Power Supply	Main Voltage	208... 480 Vac (+10%, -15%)
	Control Voltage	90 ...250 Vac
	Frequency	50 / 60Hz (+/- 5Hz)
Enclosure	IP00 Protected Chassis	
Duty Cycle	300% rated current during 10 seconds, 4 starts per hour	
Control Inputs	Digital	One input for Start/Stop (90 - 250 Vac)
		One input for Fault Reset (90 - 250 Vac)
Control Outputs	Digital	One relay output for Run indication (1 Amp - 250V)
		One relay output for Ful Voltage indication (1 Amp - 250V)
Communication	Serial Interface	RS-232C
Safety	Protection	Motor overload*
		Locked rotor*
		Over current*
		Phase sequence*
		Phase loss*
	* Can be disabled	SCR overload
Control Features	Pedestal Voltage	30 … 80% of line voltage
	Accel Ramp	1 ... 20 seconds
	Decel Ramp	Off ... 20 seconds
	Motor Current	30 ... 100% of SSW-05 rating
	Fault Reset	Manual or Automatic
Ambient	Temperature	32 ... 131ºF (0 - 55ºC)
	Humidity	0…90% Non Condensing
	Altitude	0 ... 1000m (3,300 ft) - Standard Operation at Rated Current
		Up to 4000m (13,200 ft) - With Current Derating (1%/100m (328 ft) above 1000m (13,200 ft))
Conformities	Low Voltage	UL 508 - Industrial Control Equipment
		IEC 60947-4-2
	EMC	EMC Directive 89 / 336 / EEC - Industrial Environment, Class A